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1 [Desktop must-haves](#)

[Dan Sawyer](#)

March 2008

Linux Journal , Volume 2008 Issue 167

Publisher: Specialized Systems Consultants, Inc.

Full text available: [Html](#) (93.04 KB)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 70, Citation Count: 0

Here's the guide to what you must have to slide easily into the Linux desktop experience.

2 [A reconfigurable FTL \(flash translation layer\) architecture for NAND flash-based applications](#)

[Chanik Park](#), [Wonmoon Cheon](#), [Jeonguk Kang](#), [Kangho Roh](#), [Wonhee Cho](#), [Jin-Soo Kim](#)

July 2008 Transactions on Embedded Computing Systems (TECS) , Volume 7 Issue 4

Publisher: ACM

Full text available: [Pdf](#) (1.17 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 48, Downloads (12 Months): 319, Citation Count: 0

In this article, a novel FTL (flash translation layer) architecture is proposed for NAND flash-based applications such as MP3 players, DSCs (digital still cameras) and SSDs (solid-state drives). Although the basic function of an FTL is to translate a ...

Keywords: FTL, Flash memory, performance analysis, reconfigurable architecture

3 [Advanced virtual texture topics](#)



[Martin Mittring](#), [Crytek GmbH](#)

August 2008

SIGGRAPH '08: SIGGRAPH 2008 classes

Publisher: ACM

Full text available: Pdf (3.03 MB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 29, Downloads (12 Months): 223, Citation Count: 0

A *virtual texture* is a mip-mapped texture used as cache to allow a much higher resolution texture to be emulated for real-time rendering, while only partly residing in texture memory. This functionality is already accessible with the efficient ...

4 [Why and how CARPE should be personal?](#)



[Leslie G. Seymour](#)

November 2005

CARPE '05: Proceedings of the 2nd ACM workshop on Continuous archival and retrieval of personal experiences

Publisher: ACM

Full text available: Pdf (246.28 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 52, Citation Count: 0

In this paper, the significance of modeling human personalities is analyzed for improving the value proposition of solutions for Capturing, Archiving and Retrieval of Personal Experiences (CARPE). Differences in human personalities have a significant ...

Keywords: multimedia archiving, personality models, personalization

5 [ACM SIGSOFT Software Engineering Notes: Volume 31 Issue 2](#)



March 2006

SIGSOFT Software Engineering Notes

Publisher: ACM

Additional Information: [full citation](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

6 [re-View: an IV toolkit for extracting and relating dynamic views](#)

[Ryan C. Yates](#), [Janet L. Wesson](#)

October 2006

SAI CSIT '06: Proceedings of the 2006 annual research conference of the South African institute of computer scientists and information technologists on IT research in developing countries

Publisher: South African Institute for Computer Scientists and Information Technologists

Full text available: Pdf (531.87 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 26, Citation Count: 0

Most information visualisation (IV) tools that are currently used do not support two of Shneiderman's seven interaction tasks for IV, namely the Extract and Relate tasks. These tasks provide support for the saving, loading and comparison of dynamic views. ...

Keywords: IV frameworks, IV toolkits, information visualization (IV), interaction techniques

7 The language of privacy: Learning from video media space analysis and design



Michael Boyle, Saul Greenberg

June Transactions on Computer-Human Interaction (TOCHI) , Volume 12
2005 Issue 2

Publisher: ACM

Full text available: Pdf (1.12 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 34, Downloads (12 Months): 301, Citation Count: 15

Video media spaces are an excellent crucible for the study of privacy. Their design affords opportunities for misuse, prompts ethical questions, and engenders grave concerns from both users and nonusers. Despite considerable discussion of the privacy ...

Keywords: Human-computer interaction, autonomy, computer-supported cooperative work (CSCW), confidentiality, environmental psychology, privacy, social interaction, solitude, user interface design, video media spaces

8 Podcasting made simple



Terris B. Wolff

November SI GUCCS '06: Proceedings of the 34th annual ACM SIGUCCS
2006 conference on User services

Publisher: ACM

Full text available: Pdf (587.19 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 165, Citation Count: 1

The University of Southern California started a Technology Enhanced Learning initiative in the 2005-06 academic year. In response, two faculty teaching two different courses in the School of Social Work experimented with podcasting as a way of supplementing ...

Keywords: MP3, digital audio, podcast, podcasting

9 [Architecture and implementation of multimodal plug and play](#)



[Christian Elting](#), [Stefan Rapp](#), [Gregor Möhler](#), [Michael Strube](#)

November 2003 I CMI '03: Proceedings of the 5th international conference on Multimodal interfaces

Publisher: ACM

Full text available: Pdf (228.78 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 39, Citation Count: 4

This paper describes the handling of multimodality in the Embassi system. Here, multimodality is treated in two modules. Firstly, a modality fusion component merges speech, video traced pointing gestures, and input from a graphical user interface. Secondly, ...

Keywords: dialog systems, multimodal, multimodal fission, multimodal fusion

10 [Joint categorization of queries and clips for web-based video search](#)



[Ruofei Zhang](#), [Ramesh Sarukkai](#), [Jyh-Herng Chow](#), [Wei Dai](#), [Zhongfei Zhang](#)

October 2006 MI R '06: Proceedings of the 8th ACM international workshop on Multimedia information retrieval

Publisher: ACM

Full text available: Pdf (378.76 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 78, Citation Count: 0

Building a video search engine on the Web is a very challenging problem. Compared with web page search, video search has its unique characteristics (such as high volume of data for each video, existence of multi-modal information including meta-data, ...

Keywords: experiment, multi-modality based categorization, query categorization, video categorization, web-based video search

11 [How people find videos](#)



[Sally Jo Cunningham](#), [David M. Nichols](#)

June 2008 JCDL '08: Proceedings of the 8th ACM/IEEE-CS joint conference on Digital libraries

Publisher: ACM

Full text available: Pdf (292.16 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 36, Downloads (12 Months): 234, Citation Count: 0

At present very little is known about how people locate and view videos 'in the wild'. This study draws a rich picture of everyday video seeking strategies and video information needs, based on an ethnographic study of New Zealand university students. ...

Keywords: qualitative research, user study, video retrieval

12 [The repeatability experiment of SIGMOD 2008](#)



[I. Manolescu](#), [L. Afanasiev](#), [A. Arion](#), [J. Dittrich](#), [S. Manegold](#), [N. Polyzotis](#), [K. Schnaitter](#), [P. Senellart](#), [S. Zoupanos](#), [D. Shasha](#)

March SIGMOD Record , Volume 37 Issue 1
2008

Publisher: ACM

Full text available: Pdf (589.54 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 71, Citation Count: 0

SIGMOD 2008 was the first database conference that offered to test submitters' programs against their data to verify the experiments published. This paper discusses the rationale for this effort, the community's reaction, our experiences, and advice ...

13 [Use and reuse of shared lists as a social content type](#)



[Werner Geyer](#), [Casey Dugan](#), [Joan DiMicco](#), [David R. Millen](#), [Beth Brownholtz](#), [Michael Muller](#)

April CHI '08: Proceeding of the twenty-sixth annual SIGCHI conference on
2008 Human factors in computing systems

Publisher: ACM

Full text available: Pdf (456.47 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 288, Citation Count: 3

Social networking sites support a variety of shared content types such as photos, videos, or music. More structured or form-based social content types are not mainstream but we have started seeing sites evolve that support them. This paper describes ...

Keywords: collaboration, memes, reuse, shared lists, social networking

14 [Learning and reasoning about interruption](#)



[Eric Horvitz](#), [Johnson Apacible](#)

November I CMI '03: Proceedings of the 5th international conference on
2003 Multimodal interfaces

Publisher: ACM

Full text available: Pdf (1.07 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 145, Citation Count: 46

We present methods for inferring the cost of interrupting users based on multiple streams of events including information generated by interactions with computing devices, visual and acoustical analyses, and data drawn from online calendars. Following ...

Keywords: cognitive models, divided attention, interruption, notifications

15 [A multi-view intelligent editor for digital video libraries](#)



[Brad A. Myers](#), [Juan P. Casares](#), [Scott Stevens](#), [Laura Dabbish](#), [Dan Yocum](#), [Albert Corbett](#)

January 2001 JCDL '01: Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries

Publisher: ACM

Full text available: [Pdf](#) (7.73 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 62, Citation Count: 8

Silver is an authoring tool that aims to allow novice users to edit digital video. The goal is to make editing of digital video as easy as text editing. Silver provides multiple coordinated views, including project, source, outline, subject, storyboard, ...

Keywords: digital video editing, informedia, multimedia authoring, silver, video library

16 [Navigating hierarchically clustered networks through fisheye and full-zoom methods](#)



[Doug Schaffer](#), [Zhengping Zuo](#), [Saul Greenberg](#), [Lyn Bartram](#), [John Dill](#), [Shelli Dubs](#), [Mark Roseman](#)

June 1996 Transactions on Computer-Human Interaction (TOCHI) , Volume 3 Issue 2

Publisher: ACM

Full text available: [Pdf](#) (305.99 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 768, Citation Count: 48

Many information structures are represented as two-dimensional networks (connected graphs) of links and nodes. Because these network tend to be large and quite complex, people often prefer to view part or all of the network at varying levels of detail. ...

Keywords: data acquisition, fisheye views, hierarchically clustered graphs, information visualization, supervisory control

17 [Image-based skin color and texture analysis/synthesis by extracting hemoglobin and melanin information in the skin](#)



[Norimichi Tsumura](#), [Nobutoshi Ojima](#), [Kayoko Sato](#), [Mitsunori Shiraishi](#), [Hidetoshi Shimizu](#), [Hirohide Nabeshima](#), [Syuuichi Akazaki](#), [Kimihiro Hori](#), [Yoichi Miyake](#)

July 2003 SIGGRAPH '03: SIGGRAPH 2003 Papers

Publisher: ACM

Full text available: [Mov](#) (31:13 MIN), [Pdf](#) (2.81 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 229, Citation Count: 11

This paper proposes an E-cosmetic function for digital images based on physics and physiologically-based image processing. A practical skin color and texture analysis/synthesis technique is introduced for this E-cosmetic function. Shading on the face ...

Keywords: hemoglobin, independent component analysis, inverse lighting, melanin, physiologically-based rendering, pyramid-based texture analysis and synthesis, skin color, skin texture

Also published in:

July 2003 **Transactions on Graphics (TOG)** Volume 22 Issue 3

18 Dynamic battery state aware approaches for improving battery utilization



Sung Park, Mani B. Srivastava

October CASES '02: Proceedings of the 2002 international conference on 2002 Compilers, architecture, and synthesis for embedded systems

Publisher: ACM

Full text available: Pdf (159.75 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 36, Citation Count: 2

In this paper we introduce novel battery state aware strategies that improve the performance of battery operated systems. In our analysis, we consider the total amount of work done (or service) as the metric instead of considering just the lifetime. ...

Keywords: battery, battery aware design, battery simulation, power management, service curve

19 Data mountain: using spatial memory for document management



George Robertson, Mary Czerwinski, Kevin Larson, Daniel C. Robbins, David Thiel, Maarten van Dantzich

November UI ST '98: Proceedings of the 11th annual ACM symposium on User 1998 interface software and technology

Publisher: ACM

Full text available: Pdf (1.78 MB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 35, Downloads (12 Months): 328, Citation Count: 97

Keywords: 3D user interfaces, desktop VR, document mangement, information visualization, spatial cognition, spatial memory


20 [Calibration as parameter estimation in sensor networks](#)



[Kamin Whitehouse](#), [David Culler](#)

September 2002 WSNA '02: Proceedings of the 1st ACM international workshop on
Wireless sensor networks and applications

Publisher: ACM

Full text available:  [Pdf](#) (260.36
KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited
by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 129, Citation Count: 28





We describe an ad-hoc localization system for sensor networks and explain why traditional calibration methods are inadequate for this system. Building upon previous work, we frame calibration as a parameter estimation problem; we parameterize each device ...

Keywords: actuator, auto calibration, calibration, parameter estimation, relative calibration, sensor, sensor networks

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